

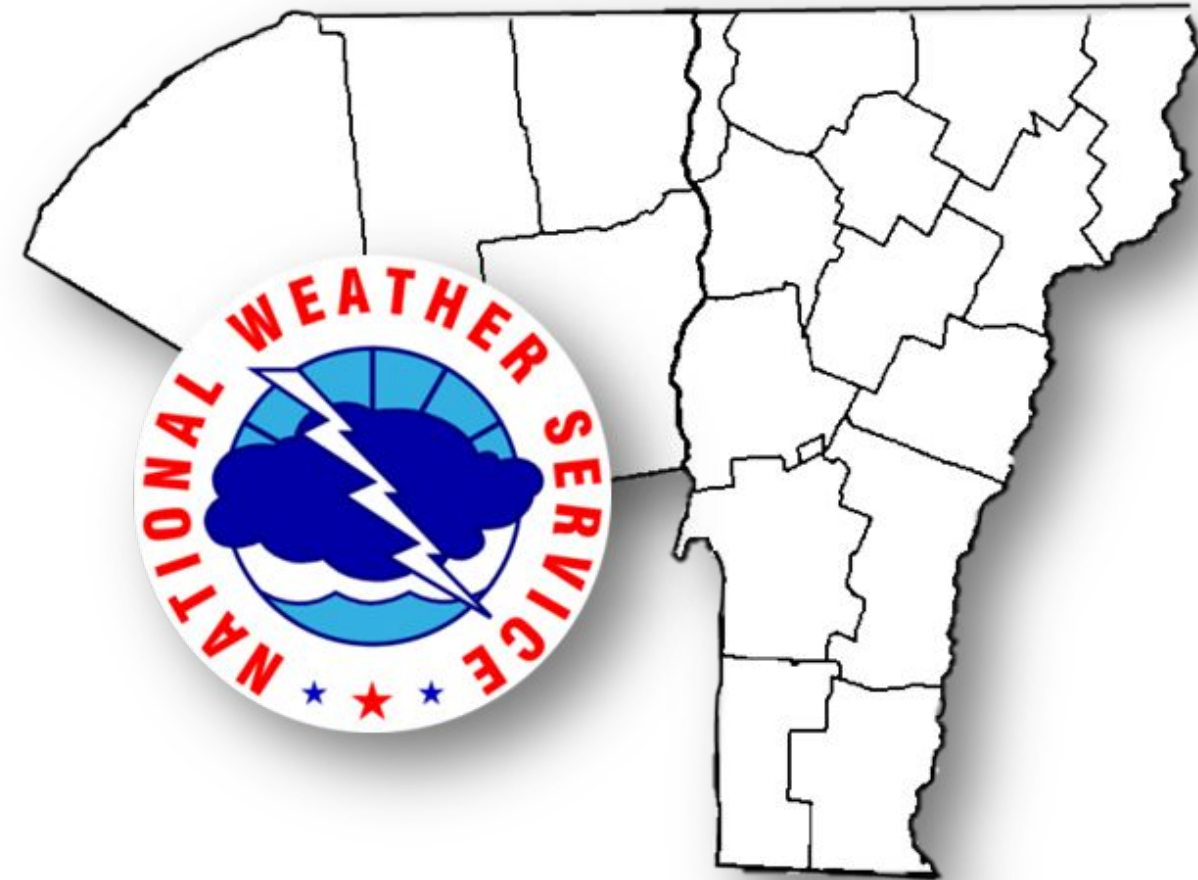


# NWS Burlington: Winter/Spring Flood Outlook #4

February 20, 2025  
11:30 AM

For northern New York and all of Vermont

**Valid: February 20 to March 6, 2025**





# Overview

February 20, 2025  
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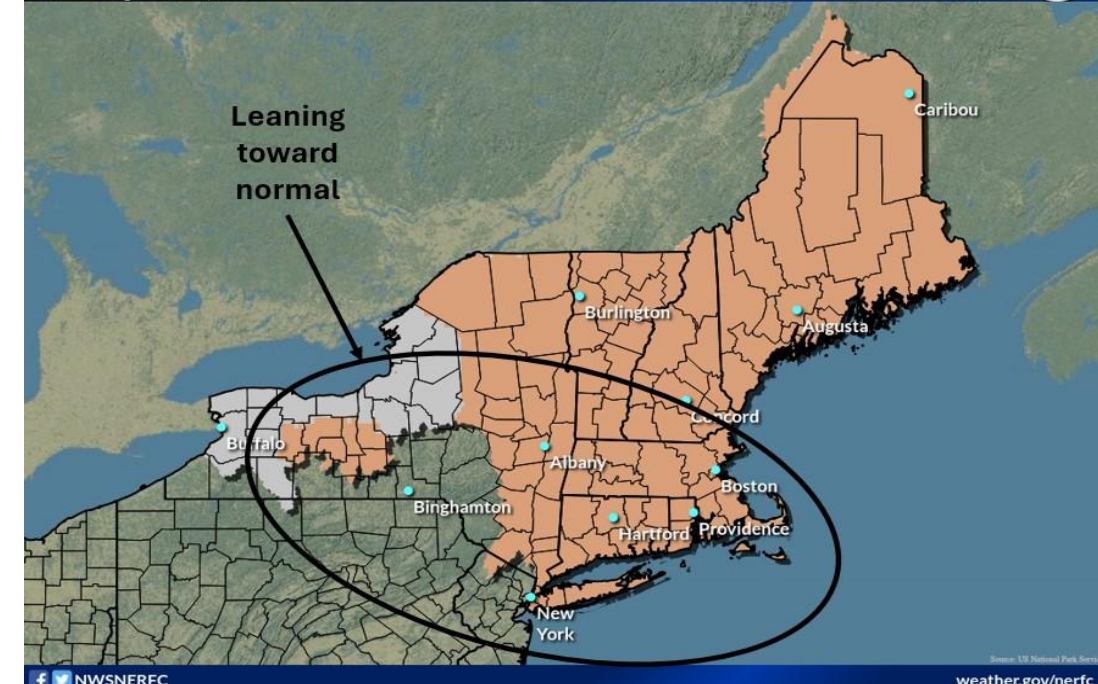
**OVERVIEW/TAKEAWAYS:**

- **The open water flood potential is below normal for the entire area for the next two weeks.** While river flows and soil moisture show a mixture of above and below normal levels, no large-scale thawing events with rainfall and/or snowmelt are expected.
- With our recent storm and persistent other light snows over the past two weeks, snow cover and snow water content are now running at or above normal for the majority of the area.
- On average, near to slightly above normal temperatures are expected over the next two weeks. Above normal precipitation is also expected, which should fall largely as snow or light mixed precipitation.
- River ice is considerable across the area, though is likely reaching seasonal late-season maximum values. **While the threat of ice breakup is minimal over the next two weeks, this will have to be monitored as we head later into the late winter when the potential for more consistent thawing and break-up ice jams will exist.**

<p><b>HAZARDS &amp; IMPACTS</b></p>	<ul style="list-style-type: none"> <li>• Minimal flood impacts are expected through the next two weeks.</li> </ul>	
<p><b>OUTLOOK CHALLENGES</b></p>	<ul style="list-style-type: none"> <li>• A relatively quiet, late-winter weather pattern is expected through the next two weeks with near to perhaps slightly above normal temperatures. Precipitation should fall mainly in the form of snow or light mixed precipitation with limited thawing.</li> </ul>	
<p><b>ADDITIONAL INFORMATION</b></p>	<ul style="list-style-type: none"> <li>• <b>Recent precipitation:</b> Near to above normal</li> <li>• <b>Snow cover:</b> Near to above normal</li> <li>• <b>Snow water equivalent:</b> Near to above normal</li> <li>• <b>River levels:</b> Variable</li> </ul>	<ul style="list-style-type: none"> <li>• <b>Soil moisture:</b> Variable</li> <li>• <b>Groundwater:</b> Variable</li> <li>• <b>Temperature outlook:</b> Near to above normal for the outlook period as a whole</li> <li>• <b>Precipitation outlook:</b> Above normal for the outlook period as a whole</li> </ul>

FLOOD POTENTIAL	REGIONS
Above	None
Normal	None
Below	All areas for open water & ice jam flooding
Next Briefing	March 6, 2025

**Winter/Spring Flood Potential Outlook** River Forecast Center Northeast RFC  
Valid through Feb 20, 2025 Issued Feb 06, 2025 11:39 AM EST



**LEGEND - Flood Risk**  
■ Above ■ Normal ■ Below  
 Shaded areas are NERFC forecast region

Disclaimer: This **TWO WEEK** outlook compares the current flood potential to the normal flood potential during the valid period. It takes into account snowpack conditions, antecedent soil moisture, water supply, ice and future weather conditions.



# Snowpack Data for February 19, 2025

February 20, 2025  
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## Snowpack continues to slowly build across the area

### Snow Depths

Champlain, Lower CT, and St Lawrence Valleys: ~ 1 to 2 ft.

Mid-terrain (1000-2500 ft): ~ 1.5 to 3.5 ft.

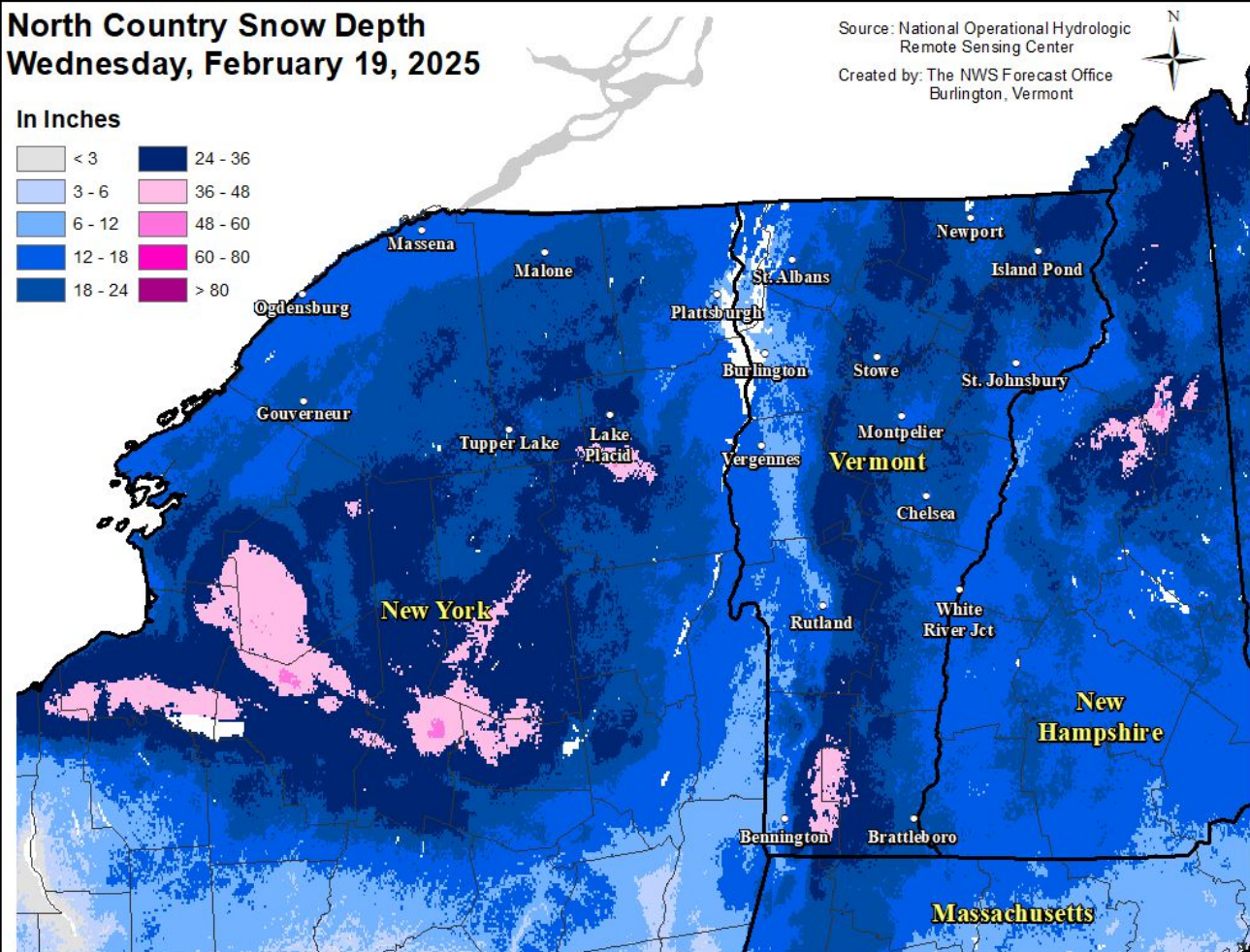
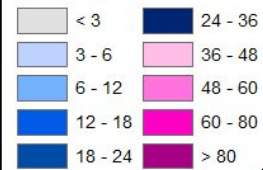
Higher terrain and summits (>2500 ft): 4 to 6+ ft.

**Mainly above normal**

### North Country Snow Depth Wednesday, February 19, 2025

Source: National Operational Hydrologic Remote Sensing Center  
Created by: The NWS Forecast Office Burlington, Vermont

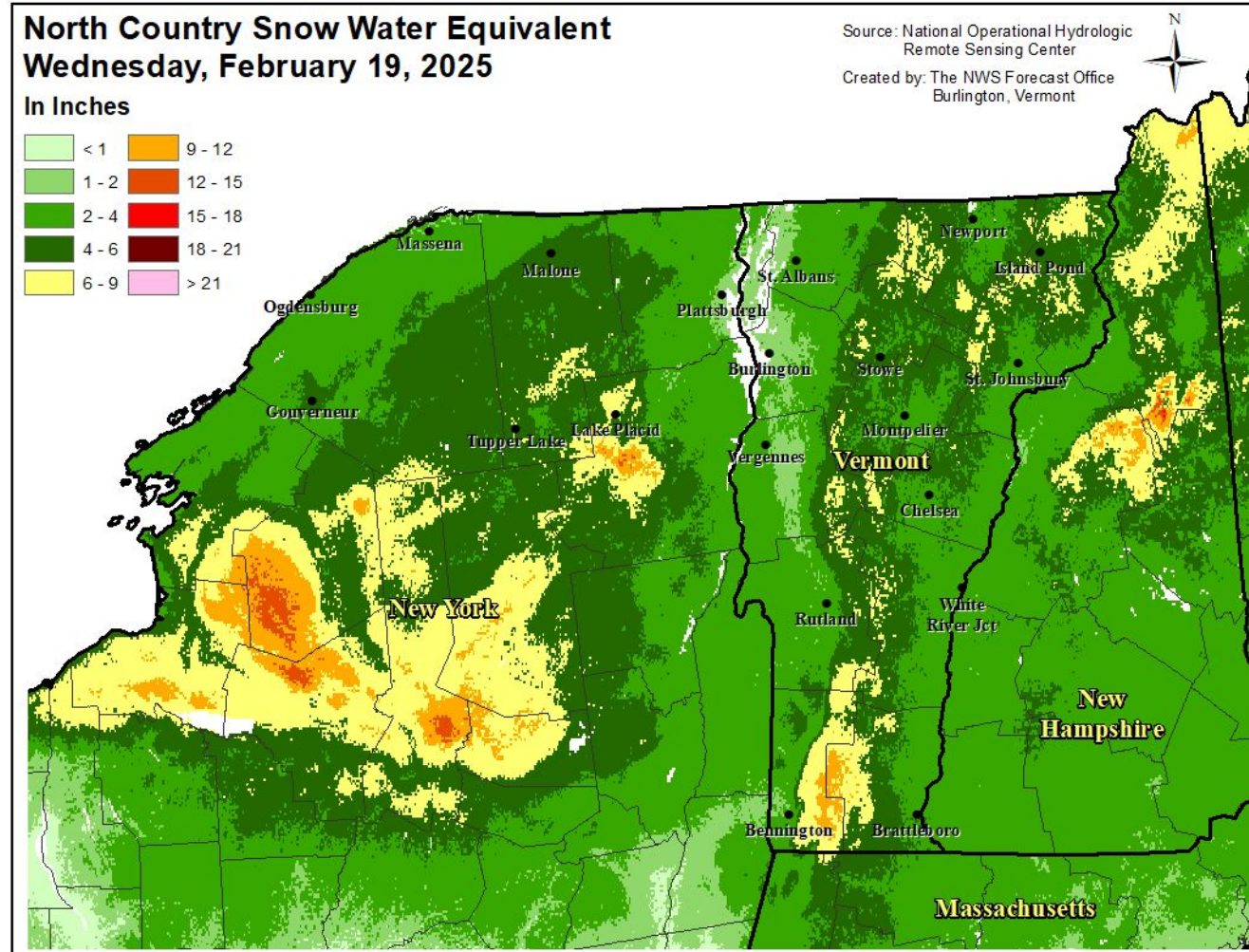
In Inches



### North Country Snow Water Equivalent Wednesday, February 19, 2025

Source: National Operational Hydrologic Remote Sensing Center  
Created by: The NWS Forecast Office Burlington, Vermont

In Inches



### Water Equivalents

Champlain, Lower CT, and St Lawrence Valleys: ~1.5 to 2.5 in.

Mid-terrain (1000-2500 ft): ~ 3.0 to 6.0 in.

Higher terrain and summits (>2500 ft): ~ 4.0 to 7.0+”

**Mainly above normal**



# River Ice Coverage

February 20, 2025  
11:30 AM

As of February 20, 2025

- **Any potential for ice jam flooding is below normal over the next two weeks due to mainly seasonable temperatures with only intermittent, brief thaws.**
- Due to persistent cold over the past month to six weeks, river and lake ice is considerable across the area. River ice thicknesses are estimated at 5-15" where persistent coverage exists. No ice jams are currently observed.
- **While no concerns currently exist, this will have to be monitored closely as we progress into the melt season during March/early April.**



Gihon R. @ Route 15 bridge, Johnson, VT (2/10/25)

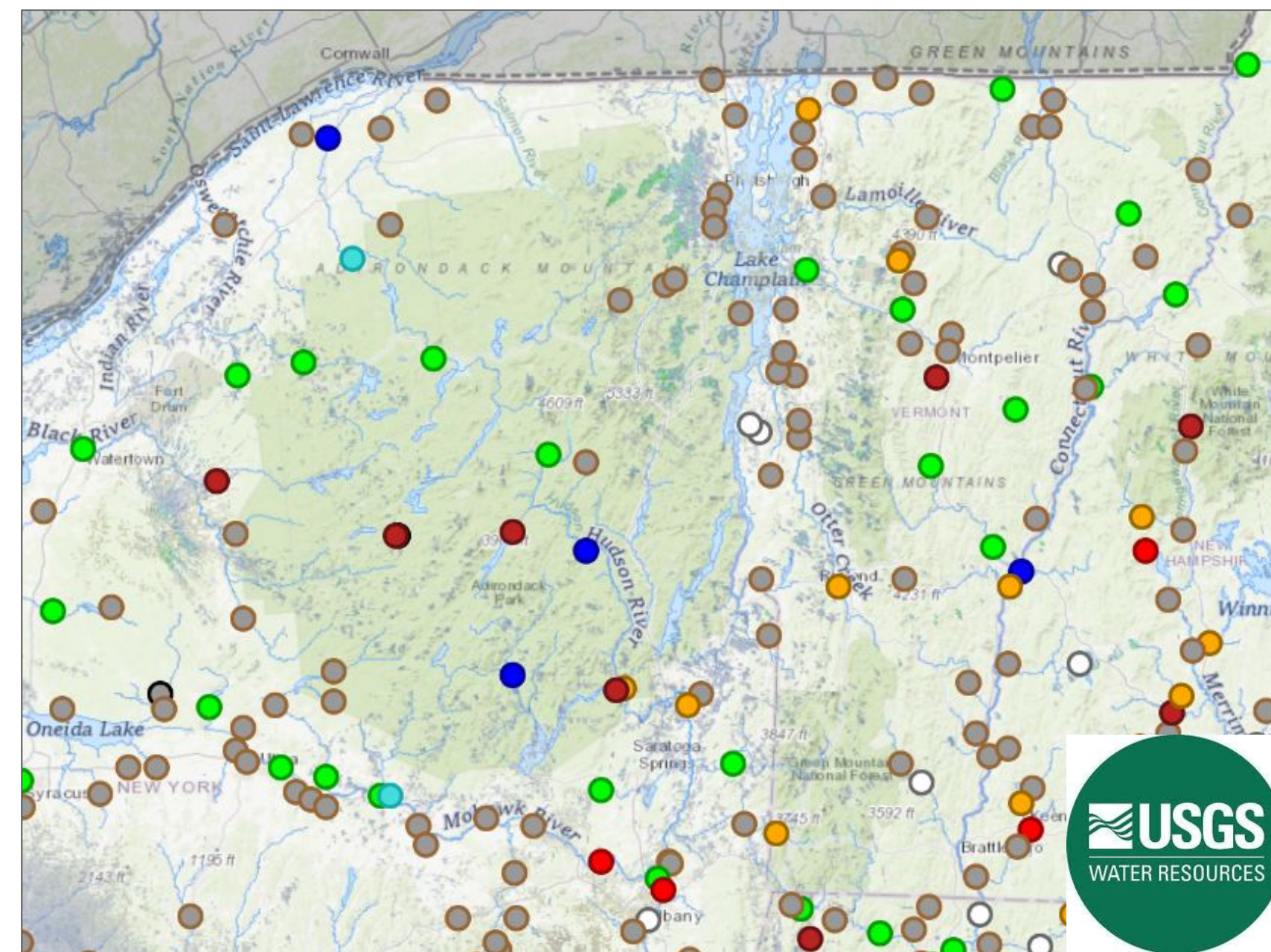




# Current Streamflow across VT and NY

February 20, 2025  
11:30 AM

As of February 20, 2025



**Streamflow: Status**

- Above flood stage
- All-time high for this day
- Much above normal
- Above normal
- Normal
- Below normal
- Much below normal
- All-time low for this day
- Not flowing
- Not ranked
- Measurement flag
- Recent measurement unavailable

**Comments:** Marker color indicates the current streamflow condition. Categories are based on the percentile of existing streamflow records on this day-of-the-year. A streamgauge is not ranked when there is less than 10 years of record or a current streamflow value is unavailable. Flood stages are maintained by the National Weather Service (NWS) and are not established for all USGS streamgages.

**Data Source:** [USGS Water Data for the Nation](#)

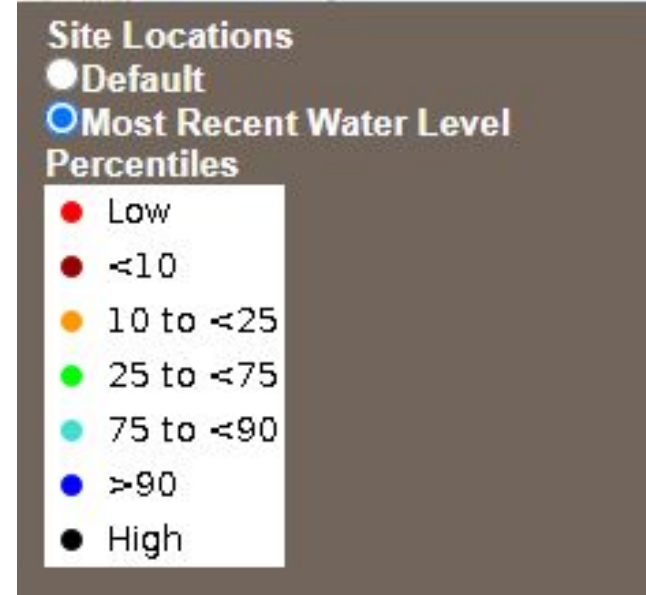
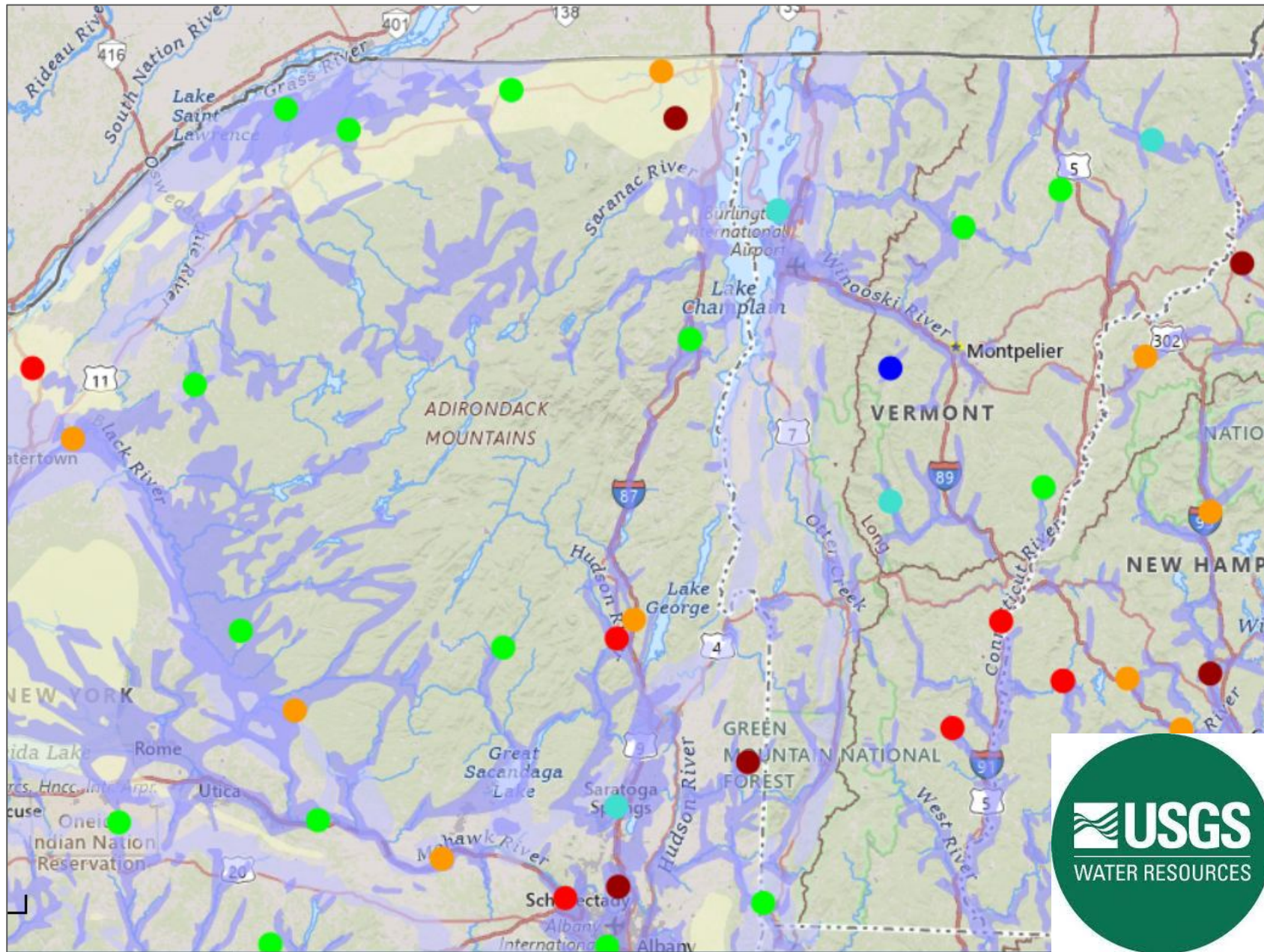
- Currently a mix of above and below normal values where reliable data exists (courtesy [USGS Water Dashboard](#))
- Overall, this data becomes more important once the spring melt begins.
- No concerns for now.



# Groundwater Conditions across VT and NY

February 20, 2025  
11:30 AM

As of February 20, 2025



- Currently a mix of above and below normal levels our area (courtesy [USGS via the National Ground-Water Monitoring Network](#))
- Data will become more important once we progress into the spring melt.
- No concerns for now.

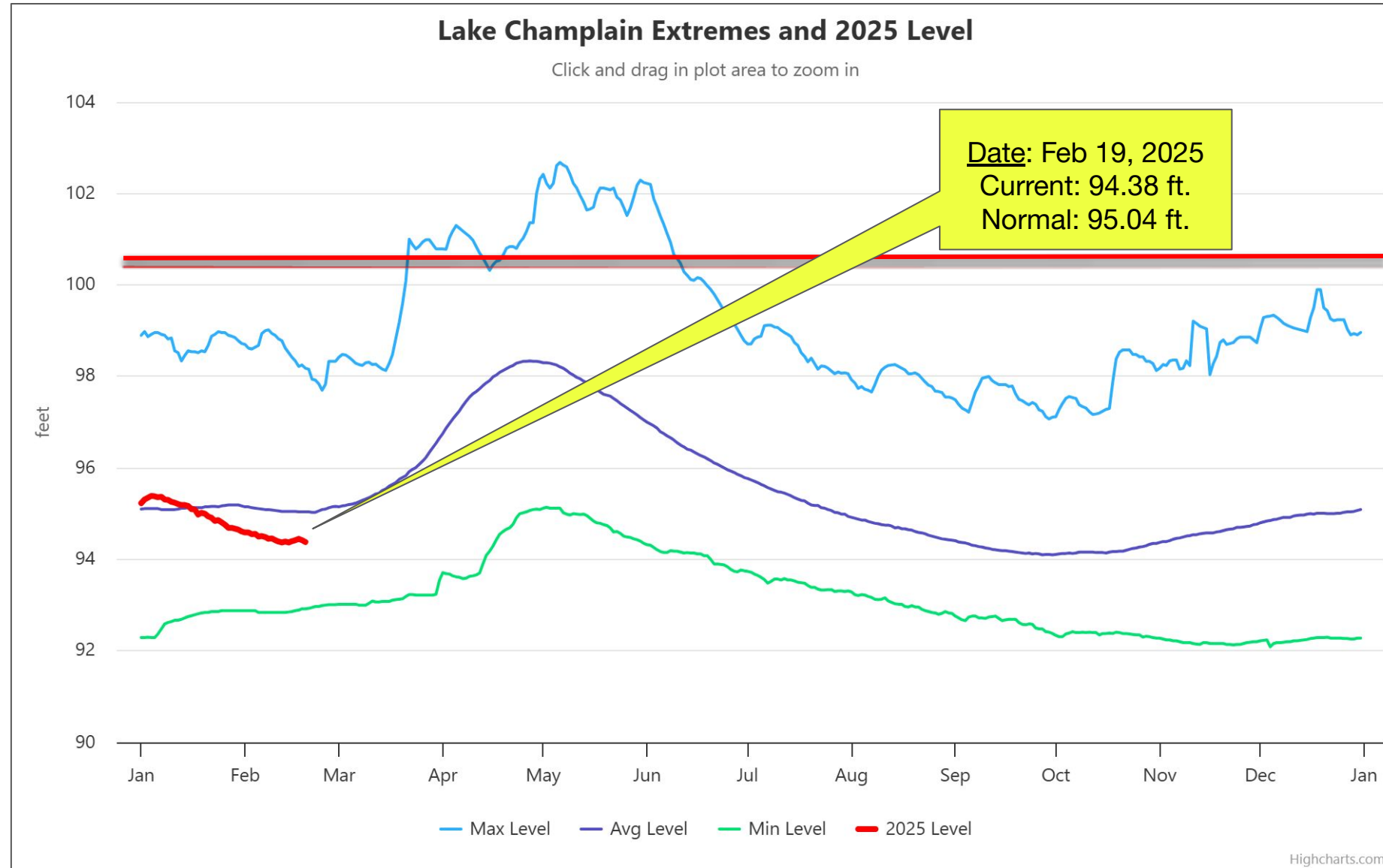


# Lake Champlain

February 20, 2025  
11:30 AM

## Level and overview

- No immediate concerns with current levels slightly below normal as the lake approaches seasonal late winter minimum values.
- Future levels heavily reliant on future precipitation and snowmelt.



Flood Stage (99.5 ft.)



# 6-10 Day Outlooks

February 20, 2025  
11:30 AM

Normal late-February Temperatures: **Highs:** Low to mid 30s°F

**Lows:** 7°F to 17°F

**TEMPERATURE:** Near to **Slightly Above Normal**

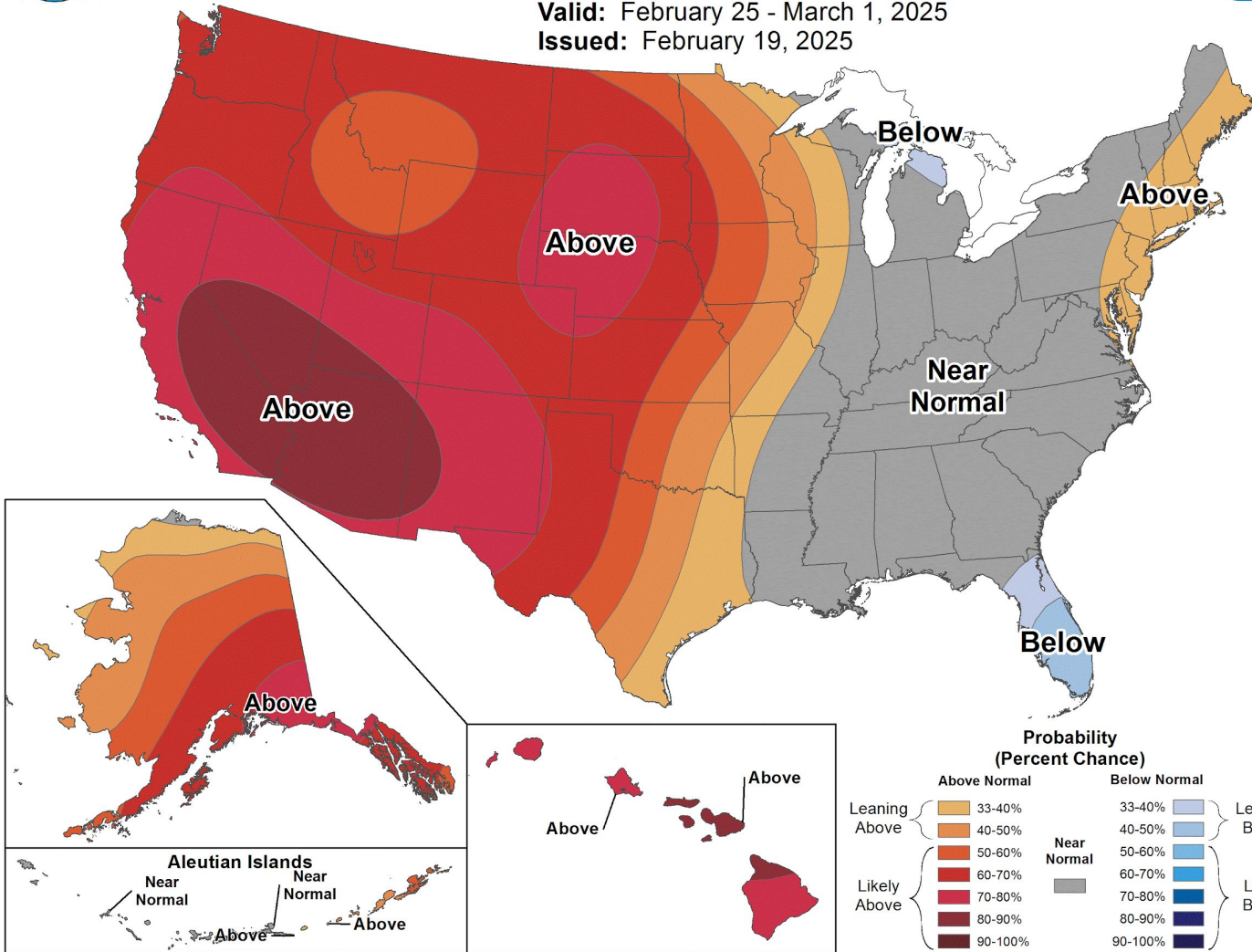
**PRECIPITATION:** **Above normal**



## 6-10 Day Temperature Outlook



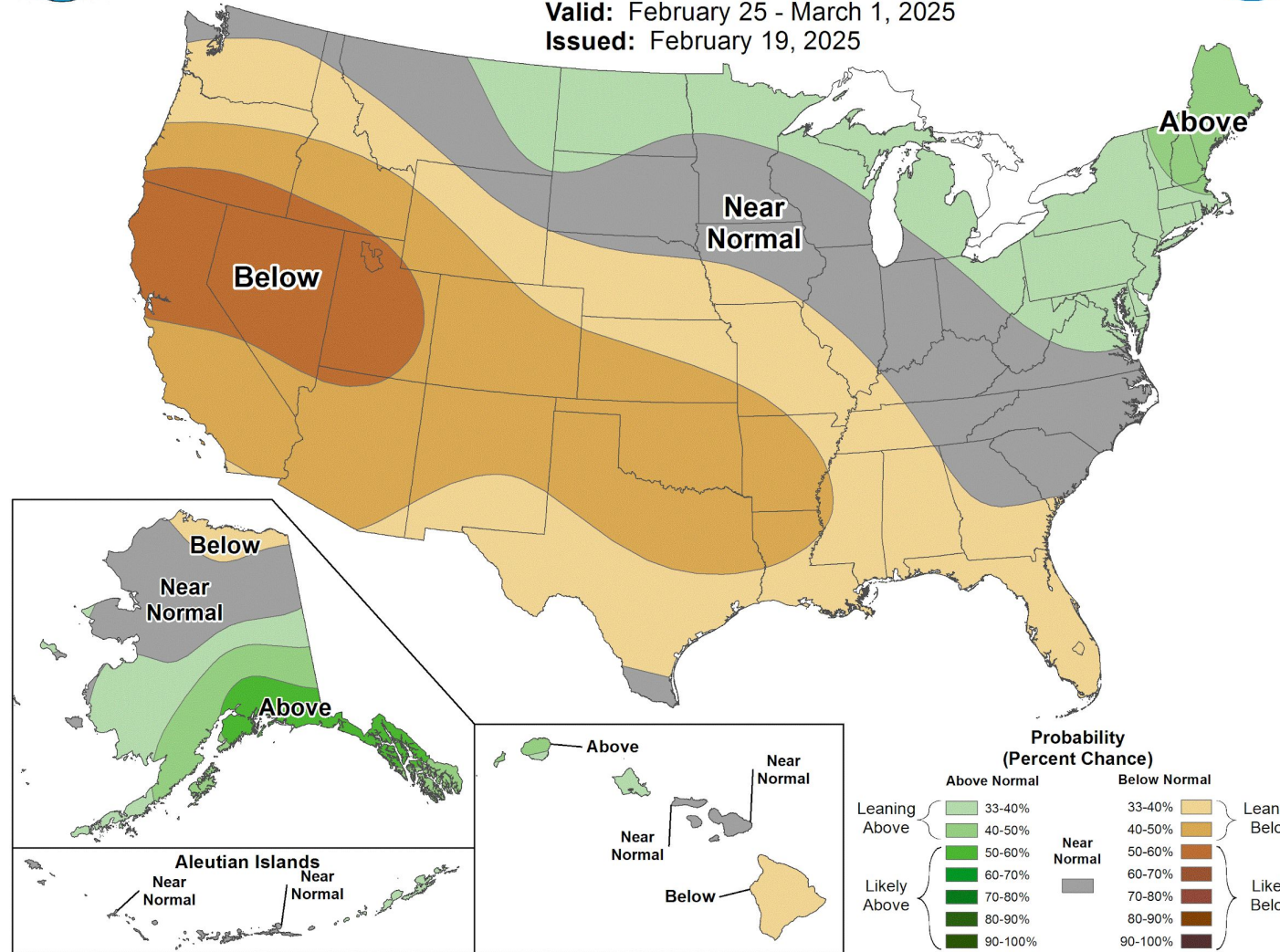
Valid: February 25 - March 1, 2025  
Issued: February 19, 2025



## 6-10 Day Precipitation Outlook



Valid: February 25 - March 1, 2025  
Issued: February 19, 2025







# Contact and Next Briefing Information

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For northern New York and all of Vermont

## Contact Information

### Web

→ [weather.gov/burlington](https://weather.gov/burlington)

### Phone (unlisted)

→ (802) 658-0150 or (802) 863-4279

### Email

→ [nwsbtv.info@noaa.gov](mailto:nwsbtv.info@noaa.gov)

### Facebook

→ [www.facebook.com/NWSBurlington](https://www.facebook.com/NWSBurlington)

### Twitter

→ [twitter.com/NWSBurlington](https://twitter.com/NWSBurlington)



## Next Briefing: Issued every two weeks

- Thursday, March 6, 2025
- Method: Sent via email by 5 pm



## Disclaimer

- Information contained in this briefing is time-sensitive
- Do Not Use After: Wednesday, February 19, 2025

